BBMP

BRUHAT BANGLORE MAHANAGARA PALIKE

YALAHANKA ZONE, BANGLORE

ABSTRACT(WARD NO-09 AND 10)

RA 4TH AND PART BILL

Name of work:	Package - 04 includes 7 Works: 1. Improvements to Roads and Drains in BEL Layout, HMT Layout, Rajivagandhi Nagar (NTI), Thindhu and surrounding in ward No. 09, 2. Improvements to Roads and Drains in Thindlu colony, Narasipura layout, Kempegowdnagara and surrounding area in ward No. 09,3. Improvements to Roads and Drains in Muthuraya Swamy layout, Doddabomasandra, Nanjappa layout, Chamundeshwari Layout in Ward No. 10, 4. Improvements to roads and drains at Amruthahalli main road,Improvements to Roads and Drains in Kuvempu Nagara, Singapura, Ramachandrapura and surrounding areas in ward no-11, 5. Improvements to roads and drains at Amruthahalli main road, Kariyanna layout and surrounding areas in ward no. 07, 6. Improvements to Roads and drains at bhadrappa layout and balaji layout and surrounding area in ward number - 08, 7. Improvements to roads and drains in Kodigehalli colony, Maruthinagara, BB Nagar and surrounding area in ward no. 08.
timated Cost :	Rs. 570.00 Lakhs
Code/Indent No.	007-19-000106, 008-19-000034, 008-19-000035, 009-19-000030, 010-19-000011, 011-19-000288
ad of Account :	P3111, P3409
me of Agency:	Sri. B.B. Umesh, Contractor, # 385, Bettaulsur (P), Bangalore North Taluk – 562 157.
ef:	BMP/EE/BTP/WO/110/2019-20 Dated: 17.10.2019.
ate of Recording:	

Sl No	Description of item	No	L	B1	B2	Av.B	D	Qty	Rate	Amount
1	**Removing and resetting footpath** slab								Sqm	
	Qty as per Premeasurement Recorded vide E-Bill Ward no-09							1906.94	2296.90	707179
	Qty as per Premeasurement Recorded vide E-Bill Ward no-10							1227.10	137.14	323611
							Total Qty	3134.04	235.97	739539.00
2	**Earth work excavation** by manual means in Ordinary Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.								Cum	
	Qty as per Premeasurement Recorded vide E-Bill Ward no-09							3595.13	3016.28	469665
	Qty as per Premeasurement Recorded vide E-Bill Ward no-10							921.75	1500.66	233688
							Total Qty	4516.88	155.71	703324.00
2	Construction of **Granular sub-base Grading-V** as Sub-base and drainge layer by providing coarse graded crushed stone aggregate of granite/trap/basalt material, mixing in mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor graded on prepared surface and compacting with vibratory power roller to achieve the 98% proctor density, complete as per specifications. Clause 401 of MORTH V Revision. P No. 153/ Item No. 20.5/ PWD SR 2018-19							590.41	Cum	
	Qty as per Premeasurement Recorded vide E-Bill Ward no-09							598.64		
								590.41		1330938.00
							Total Qty	598.64	2254.26	1349484.00
3	Providing, laying spreading and compacting graded stones aggregate to **wet mix macadam** specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. 1) 689.78 × 2261.50 = 1559937.00 2) 840.58 × 2261.45 = 1900284								Cum	
	Qty as per Premeasurement Recorded vide E-Bill Ward no-09							1099.43		
	Qty as per Premeasurement Recorded vide E-Bill Ward no-10							430.91		3460867.00
							Total Qty	1530.33	2261.50	3460849.00
								1530.34		

Assistant Engineer AE WJ10

AE N-09

PMC

Assistant Executive Engineer

Vidyaranyapura Sub Division
BBMP, Bangalore - 97

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Sl No	Description of item	No	L	B1	B2	Av.B	D	Qty	Rate	Amount
4	KSRRB 500-4: providing and applying **primer coat** from 7.5 to 9.8 kg and 9.8 to 12.2kg per 10 sqm for surfaces of low and medium porosity respectively over prepared surface of granular base with cut bank M.C-70 or any other bitumen mixed with diesel at 10 kg per 10 sqm heated in bitumen boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specificationsDo- Medium Porosity 1) 5387.16 x 40.73 = 219826.00 2) 3891.97 x 38.33 = 149179.00								Sqm	
	Qty as per Premeasurement Recorded vide E-Bill Ward no-09							7415.63		
	Qty as per Premeasurement Recorded vide E-Bill Ward no-10							1873.50		
							Total Qty	9289.13	40.73	378346.00
5	Providing and laying **bituminous macadam** on Prepared Surface with crushed Coarse aggregates as per Design mix formulae for base/binding course including loading of aggregates with F.E loader,Hot mixing of Stone aggregates and bitumen in Hot mix plant, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve desired density, but excluding cost of primer/Tack coat including lead, lift and cost of all materials, labour HOM of machinaries complete as per Specifications. MORTH Ch 5. using 40/60 TPH capacity HMP with Mechanical paver Gr-II (50mm - 75mm) with 3.4% VG-30 bitumen. 1) 322.38 x 6974.79 = 2248533 2) 142.08 x 6737.63 = 957283.00								Cum	
	Qty as per Premeasurement Recorded vide E-Bill Ward no-09							370.78		
	Qty as per Premeasurement Recorded vide E-Bill Ward no-10							93.68		3339511
							Total Qty	464.46	6974.79	3239487.00
6	Tack Coat:- Providing and applying **tack coat** using 80/100 grade bitumen (VG 10) in boiler fitted with spray set distributor at the rate of 0.20 kg per sqm on the existing prepared bituminous surface cleaned with mechancial broom. complete as per specifications.								Sqm	
	Qty as per Premeasurement Recorded vide E-Bill Ward no-09							26943.40		
	Qty as per Premeasurement Recorded vide E-Bill Ward no-10							6267.50		
							Total Qty	33210.90	14.37	477241.00
7	KSRRB M500-19: providing and laying **bituminous concrete** 40mm thick with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5.4 to 5.6% of mix and filler, transporting the hot mix to work site, laying with hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desire compaction as per MORTH specification clause No. 500.9 complete In all respects as per specifications. MORTH specification 30-45mm compacted thicikness (GradingII) With 6% bitumen								Cum	
	Qty as per Measurement Recorded vide E-Bill Ward no-09							1077.74		
	Qty as per Measurement Recorded vide E-Bill Ward no-10							250.70		13313612
							Total Qty	1328.44	10021.99	13313572.00
9	Providing and laying of **hot applied thermoplastic compound** 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications.								Sqm	
	Qty as per Measurement Recorded vide E-Bill Ward no-09							1010.53		
	Qty as per Measurement Recorded vide E-Bill Ward no-10							59.95		550077.00
							Total Qty	1070.48	513.86	550074.00
									Total	24211917.00

1062.91 x 513.86 = 546187

total: 24146482.63

Assistant Engineer
Ward No. 09

Suvetha. N K
Assistant Engineer
Ward No. 10

PMC

Assistant Executive Engineer
Vidyaranyapura Sub Division

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Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Transient Consultants Pvt. Ltd. Bangalore PMC

Assistant Engineer

Assistant Executive Engineer

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